

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IL2004/001120

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B01D53/14 B01D53/64

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ, BIOSIS, IBM-TDB, INSPEC, EMBASE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category <sup>a</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WILLIAM ELLISON: "Chemical process design alternatives to gain simultaneous NOx removal in scrubbers" 9 December 2003 (2003-12-09), ELLISON CONSULTANTS PAPER FOR PRESENTATION AT POWER-GEN INTERNATIONAL, LAS VEGAS, NV , XP002324631 page 1 – page 11 page 7 – page 8, in particular</p> <p>-----</p>	1-14
A	<p>WO 01/26784 A (LEXTRAN LTD; KHITRIK, ADOLF; PIPKO, GREGORI; DORON, BENJAMIN) 19 April 2001 (2001-04-19) claims 1-15</p> <p>-----</p> <p style="text-align: center;">-/-</p>	1-14

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

<sup>a</sup> Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

Date of mailing of the international search report

14 April 2005

02/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 419 834 A (STRATEN ET AL) 30 May 1995 (1995-05-30) column 3, line 41 - line 62 column 7, line 11 - line 55; figure 4 -----	1-14
A	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1989, JIA J ET AL: "PETROLEUM SULFOXIDE EXTRACT-LEACH RESIN A NEW RESIN FOR TREATMENT OF WASTEWATER CONTAINING METHYLMERCURY" XP002324632 Database accession no. PREV199089131793 abstract & HUANJING KEXUE, vol. 10, no. 4, 1989, pages 40-44, 96, ISSN: 0250-3301 -----	1-14
A	FRANCIS T ET AL: "LIQUID-LIQUID EXTRACTION OF HG(II) FROM ACIDIC CHLORIDE SOLUTIONS USING BIS-2-ETHYLHEXYL SULFOXIDE" JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY. (INTERNATIONAL JOURNAL OF BIOTECHNICAL AND CHEMICAL PROCESSES), ELSEVIER APPLIED SCIENCE PUBLISHERS. BARKING, GB, vol. 76, no. 7, July 2001 (2001-07), pages 737-742, XP001092360 ISSN: 0268-2575 abstract paragraph '0001! -----	1-14

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## Information on patent family members

International application No  
PCT/IL2004/001120

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 0126784	A 19-04-2001	AT AU DE DE EP WO	243065 T 7814500 A 60003446 D1 60003446 T2 1225967 A1 0126784 A1	15-07-2003 23-04-2001 24-07-2003 06-05-2004 31-07-2002 19-04-2001
US 5419834	A 30-05-1995	DE DE EP	4302910 C1 9303842 U1 0609687 A1	15-09-1994 19-08-1993 10-08-1994